

**Business Systems**  
**2004 Oracle Users Group Meeting**





# *Fermilab Overview*

- Since its founding in 1967, Fermilab has been operated by the Universities Research Association (**URA**), a consortium of 90 research universities.
- Fermilab is the largest U.S. laboratory for high energy physics research
  - 2100 employees, \$304 million/year budget
  - 2500 scientific users
- The purpose of the Laboratory is to understand the fundamental nature of matter:
  - provides scientists with facilities to do forefront research in particle physics
  - develops new accelerator technologies
  - operates the highest energy collider in the world (**Tevatron**)



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# *Fermilab Overview*

- Fermilab has a striking physical campus
  - 6800 acres, 30 miles west of Chicago, IL
  - Miles of bicycle trails
  - Ponds used by many fisherman
  - 1000 acres of restored prairie
  - Areas set aside for dog training, horse riding, etc
  - Herd of bison



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# *Business Systems*



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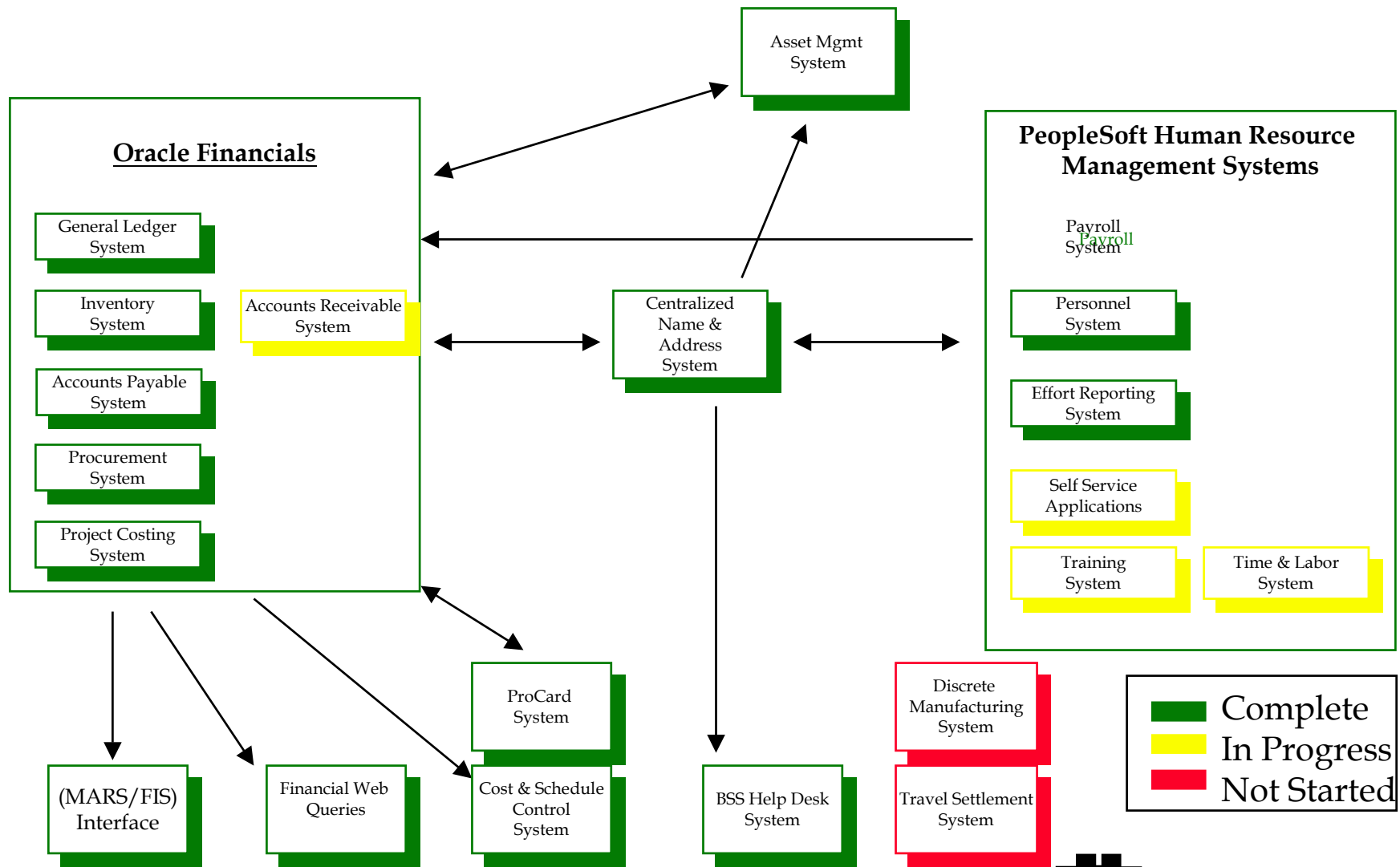
- Consists of 26 IT professionals and staff that support the business information needs of the laboratory
- Organized into 4 groups:
  - Production Systems
  - Project Services
  - Technical Services
  - Training & Admin
- COTS solutions – primarily Oracle and PeopleSoft
- HP Compaq Alphaservers (UNIX) and MS/Windows



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# Fermilab Business Systems

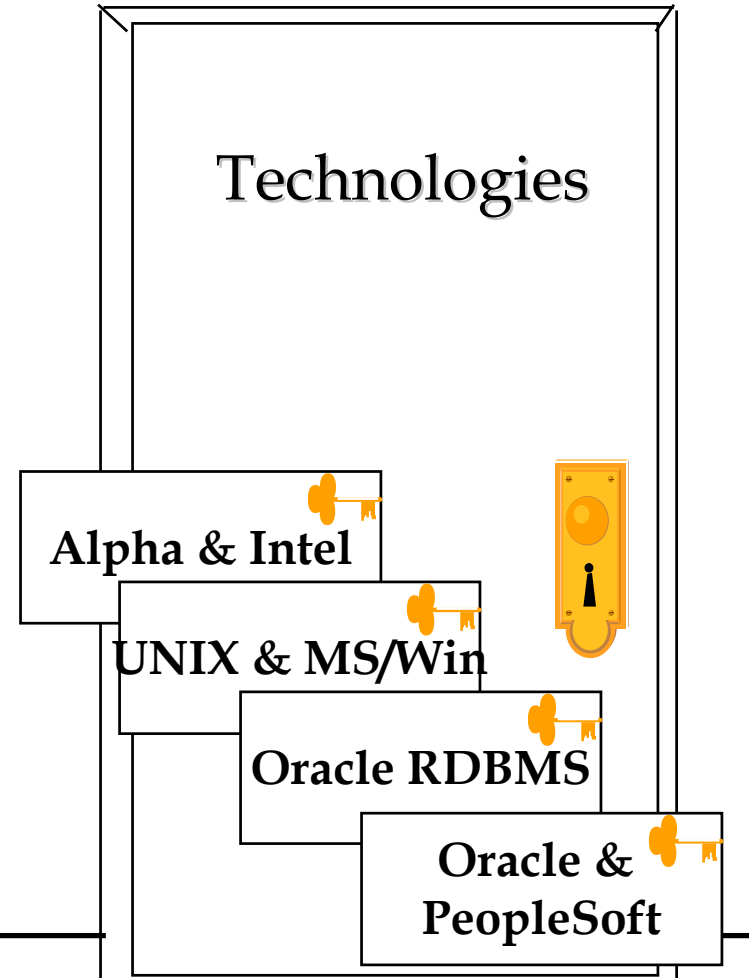


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# *Promote Flexible Technologies*

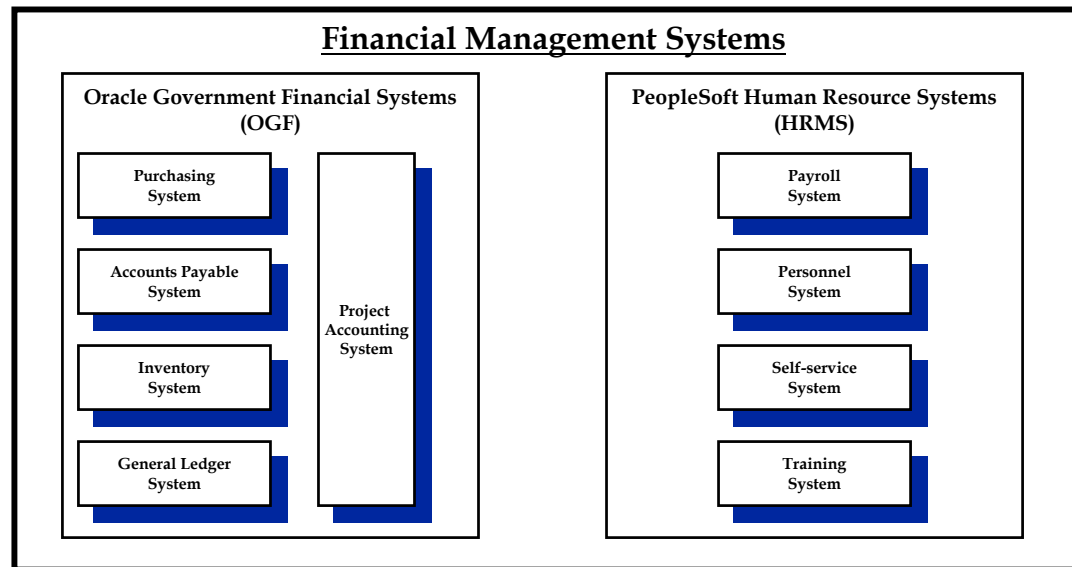
- Increase platform independence
- Lower risks and protect investments
- Lessen capital requirements
- Enable wide range of HW/SW alternatives
- Allow for growth and migration



# *Commercial “Off-The-Shelf” Software*

## Supply Highly Reliable Business Systems

- Minimize customization, require business justification
- Adapt business procedures where possible
- Increase system support capabilities
- Reduce dependency on “key” Business Systems personnel



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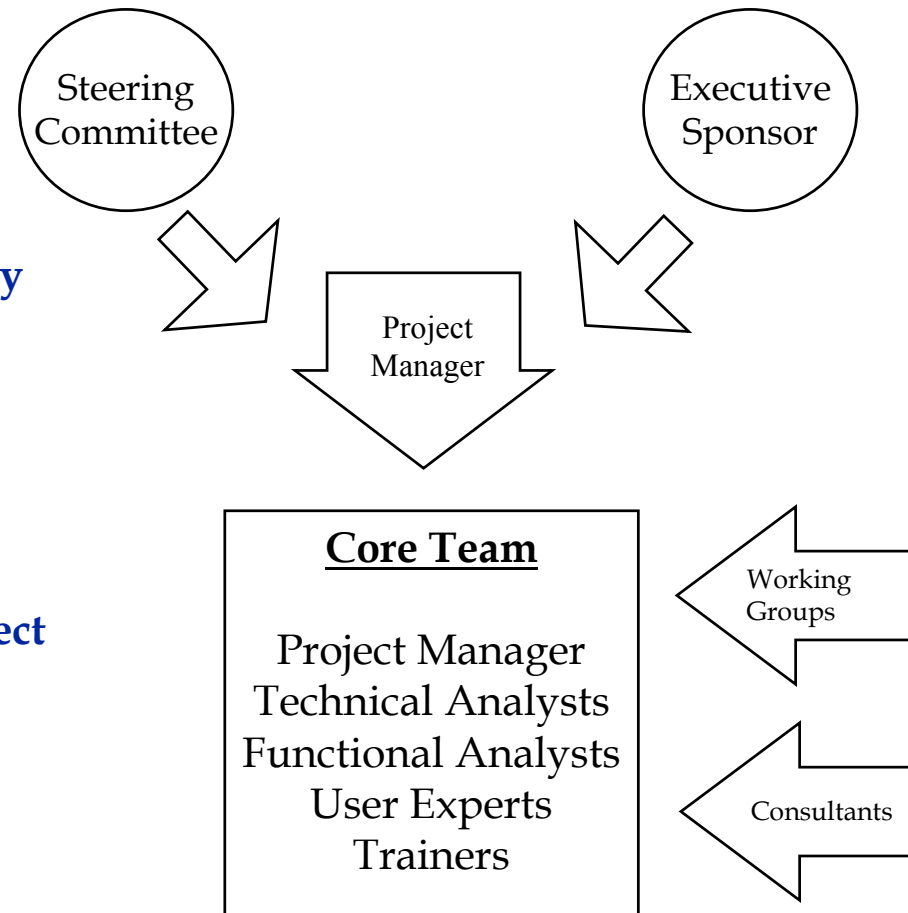
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# Commercial “Off-The-Shelf” Software

## Establish Core Project Teams for new systems implementations

- Define clear project goals
- Give Project Manager complete responsibility and authority
- Aim for full-time team assignment
- Encourage widespread participation
- Honor project leadership skills
- Honor project membership skills
- Rigorously evaluate “talent” after every project
- Train! Train! Train!



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# Commercial “Off-The-Shelf” Software

Utilize outside expertise where “Business Value” is added.



## Emphasize:

- Clearly defined deliverables
- Knowledge transfer
- Talent - not the company
- Standards - do they have them?
- Availability of their people
- Commitment of their Mgmt.
- Experience



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# *FY04 Projects*

- Employee Time & Labor (ETL)
- Oracle Accounts Receivable
- Oracle v11i
- PeopleSoft Self Service
- Sunflower Assets v3.7.1 (DPR, PPM functionality)
- Welcom Cost & Schedule Control (Cobra v4, OPP v3)
- Windows 2003 server upgrade (Kerberos integration)
- Desktops to XP
- Lotus Notes Project Mgmt
- Next generation database servers



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